| In | aex | or C | Haims |  |
|----|-----|------|-------|--|
|    |     |      |       |  |

| T | Application No. | Applicant(s) |    |
|---|-----------------|--------------|----|
|   | 09/801,593      | HAMILTON ET  | AL |
|   | Examiner        | Art Unit     |    |
|   | Adam L Basehoar | 2178         | -  |

| Rejected    | 1 | (Through numeral)<br>Cancelled |
|-------------|---|--------------------------------|
| <br>Allowed | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| I | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cl           | aim      | Date     |   |  |          |          |          | 1::::    | Claim Date |          |        |  |          |                  |  | 7:::     | Ξſ       | Cla      | aim      | Date                    |          |          |   |        |            |          |   |          |                         |          |          |          |          |          |
|--------------|----------|----------|---|--|----------|----------|----------|----------|------------|----------|--------|--|----------|------------------|--|----------|----------|----------|----------|-------------------------|----------|----------|---|--------|------------|----------|---|----------|-------------------------|----------|----------|----------|----------|----------|
|              |          | _        | ঠা  | П  | Ť        | Ť        | П        |          |            |          |        |  |          | T                |  |          | ٦Ī       | Ī        |          | T                       | Т        | ٦        | t |        |            | I        | Т   | T        | T                       | Ï        | $\neg$   |          |          |          |
| <u> </u>     | l ä      | 3        | 12  |  |          |          | - 1      |          |            |          |        | ल  | عّ ا     |                  |  |          | i        |          |          |                         | - 1      |          | - | ৰ      | ina        |          | 1   |          |                         |          | ĺ        |          |          |          |
| Final        | Original | 2        | S0K1/10   |  |          |          | 1        | - 1      |            |          |        | Final  | Original |                  |  |          | ļ        |          | ı        | - 1                     | - [      |          |   | Final  | Original   |          |   |          |                         |          | - 1      |          |          |          |
|              |          | 40/81/50 | 10  |  |          |          |          |          |            |          |        |  | 0        | L                |  |          |          |          | $\perp$  |                         |          |          | L |        |            |          |   |          |                         |          |          |          |          |          |
|              | .1       | Z        | V   |  |          |          | $\Box$   |          |            |          | ]      |  | 51       |                  |  |          |          | $\Box$   | $\Box$   | $\Box$                  |          |          | Ĺ |        | 101        |          |   | $\Box$   |                         |          |          |          |          |          |
|              | 2        | <b>/</b> | V   |  |          |          |          |          |            |          | ]      |  | 52       |                  |  |          |          |          |          |                         | . [      |          | L |        | 102        |          |   |          |                         |          |          |          |          |          |
| ļ            | 3        | ~        | V   | _  | _        | _        | _        |          |            | <u></u>  |        |  | 53       | L                | Ш  |          | _        |          | $\perp$  | _                       | ┙        | _        | L |        | 103        | _        | ┵   | _        | _                       | _        | _        |          |          |          |
|              | 4        | ~        | $\checkmark$                                      | _  | 4        |          | _        | _        |            | _        |        |  | 54       | L                | Щ  |          | _        | $\Box$   | $\perp$  | 4                       | _        | _        | L |        | 104        | _        | 4   | _        | _                       | _        | _        | _        |          |          |
| ļ            | 5        | Z        | 4   | 4  | 4        | 4        | _        | _        | _          | _        |        | <u> </u>   | 55       | $ldsymbol{oxed}$ |  | $\sqcup$ | _        | _        | 4        | 4                       | $\perp$  | _        | L |        | 105        | _        | $\perp$   | 4        | 4                       | _        | _        | _        |          | _        |
| <u> </u>     | 6        | Ý        | 4   | $\dashv$   | 4        | _        | _        | _        | <u> </u>   | _        |        |  | 56       | ┡                | Н  | $\dashv$ | _        | _        | 4        | 4                       | 4        | -        | F |        | 106        | -        | $\dashv$  | 4        | 4                       | 4        | _        | _        |          |          |
|              | -        | V,       | 7   | $\dashv$   | -        |          | -        | $\dashv$ | <u> </u>   | <u> </u> |        |  | 57       | ⊢                | Н  | $\vdash$ |          |          |          |                         |          | -        | - |        | 107        | -        | +   | $\dashv$ | $\dashv$                |          | $\dashv$ |          |          |          |
| -            | 9        | V,       | Y,  |  | -        |          | -+       |          | -          | ⊢        |        | <u> </u>   | 58<br>59 | -                | -  | -        |          |          | $\dashv$ | +                       | +        | -        | ŀ |        | 108<br>109 |          | +   | +        |                         |          | $\dashv$ | $\dashv$ | _        |          |
|              | 10       | Υ,       | M   | $\dashv$   | $\dashv$ | -+       | $\dashv$ |          |            | ├        |        | <u></u>  | 60       | ├                | Н  | $\dashv$ |          | $\dashv$ | $\dashv$ | +                       | +        | -        | ŀ |        | 110        |          | +   | +        | -                       | $\dashv$ |          | -        |          |          |
| -            | 11       | ~        | Y   | $\dashv$   | +        |          |          |          | -          | ├        | ł      |  | 61       | ┼─               |  |          |          |          | -        | +                       | +        | $\dashv$ | - |        | 111        | $\dashv$ | +   | +        | $\dashv$                |          | $\dashv$ |          | -        |          |
| <u> </u>     | 12       | <u>/</u> | Y   | -+   | -+       | $\dashv$ | $\dashv$ | $\dashv$ | -          | $\vdash$ | ł      | <del>                                     </del> | 62       |                  | $\vdash$   | $\vdash$ | -        |          | +        | +                       | +        | -        | 1 |        | 112        | $\dashv$ | +   | +        | $\dashv$                | $\dashv$ |          | $\dashv$ | -        |          |
|              | 13       | 5        | 4   | +  | +        |          | -        | -        | $\vdash$   | $\vdash$ | ۱      | $\vdash$   | 63       | $\vdash$         | Н  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +                       | +        | $\dashv$ | H |        | 113        | $\dashv$ | +   | +        | ┵                       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |
| -            | 44       | 7        | <b>Y</b>  | $\dashv$   | +        | -        | $\dashv$ |          |            | -        | t      | <del>                                     </del> | 64       | +                | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +                       | $\dashv$ | $\dashv$ | H |        | 114        | $\dashv$ | +   | +        | ᅱ                       | ᅥ        | $\dashv$ | - 1      |          |          |
| -            | 15       | 7        | ./  | +  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | Н          | $\vdash$ | tiiii  | $\vdash$   | 65       |                  | $\vdash$   | $\vdash$ | ┪        | $\dashv$ | +        | +                       | $\dashv$ | -        | ۲ |        | 115        | +        | -   | +        | ┥                       | -        | $\dashv$ | ᅱ        | $\dashv$ |          |
|              | 16       |          | <b>*</b> /  | $\dashv$   | $\dashv$ | ┪        | $\dashv$ | $\dashv$ |            | $\vdash$ |        |  | 66       |                  |  |          | _        | ┪        | 十        | -+                      | $\dashv$ | -        | t |        | 116        | -        | 十   | 十        | ┪                       | -        | -1       |          | _        |          |
| <u> </u>     | 17       | ン        | 7   | $\dashv$   | 1        | 寸        | 寸        | $\dashv$ |            |          |        |  | 67       | $\vdash$         |  | $\neg$   | _        | _        | $\top$   | 十                       | $\dashv$ |          | ۲ | 一      | 117        | 7        | +   | $\dashv$ | ┪                       | -        | 一        | 寸        | $\neg$   | _        |
| -            | 18       | ./       | <b>V</b>  | $\dashv$   | 7        | 寸        | ┪        | $\dashv$ |            |          | 1      |  | 68       |                  |  |          |          | $\neg$   | 十        | 十                       | .        | -        | ۲ |        | 118        | 寸        | 十   | 1        | ╛                       | 一        | 寸        | ┪        |          |          |
|              | 19       |          | Ż   | 寸  | 1        | $\dashv$ | 寸        | $\neg$   |            |          |        |  | 69       |                  |  | $\neg$   |          |          | 十        | 十                       | $\top$   | 7:::     | r | $\neg$ | 119        | 寸        | 7   | T        | .                       | ┪        | 寸        | ╗        | $\neg$   | •        |
|              | 20       | J        | J   | $\neg$   | ┪        |          | 寸        | $\neg$   |            | $\vdash$ |        |  | 70       |                  |  |          |          |          | 7        | 7                       | 7        | 7        | ٢ |        | 120        | 7        | $\dashv$  | 7        | ٦                       | $\neg$   |          | $\neg$   | $\neg$   |          |
|              | -24      | V        | -   | 1  | T        | T        | 1        | ヿ        |            |          |        |  | 71       |                  |  |          |          |          |          | 1                       |          |          | r |        | 121        |          | 十   |          | T                       | コ        |          |          |          | _        |
|              | 22       |          |   |  |          |          |          |          |            |          |        |  | 72       |                  |  |          |          |          |          |                         |          |          |   |        | 122        |          |   | T        |                         | ٦        |          |          |          |          |
|              | 23       | ,        |   |  | T        |          |          |          |            |          |        |  | 73       |                  |  |          |          |          |          |                         | T        |          | [ |        | 123        |          | Т   |          |                         |          |          |          |          |          |
| L            | 24       |          |   |  |          |          |          |          |            |          |        |  | 74       |                  |  | $\Box$   | $\Box$   | $\Box$   |          | $\Box$                  | $\Box$   |          | L |        | 124        | $\Box$   | $\Box$  |          |                         |          |          |          | $\Box$   |          |
|              | 25       |          | $\sqcup$  |  | _        |          | $\bot$   |          |            |          |        |  | 75       | Ш                |  |          |          | _        |          | ┙                       | $\perp$  | _        | L |        | 125        |          |   |          |                         |          |          |          |          |          |
|              | 26       | П        |   |  |          | _        | _        | _        |            |          |        |  | 76       | Ш                |  |          | _        | _        |          | 4                       | ᆚ        | _        | L |        | 126        | _        | ᆚ   | _        | _                       | _        | _        | _        | _        |          |
| _            | 27       |          | _   | 4  | 4        | _        |          |          |            |          |        |  | 77       | Ш                |  | _        |          | _        | $\perp$  | _                       | 4        | _        | L |        | 127        | _        |   | $\perp$  | 4                       | _        | _        | _        |          |          |
|              | 28       | $\Box$   | _   | 4  | 4        | _        | 4        | _        |            |          |        |  | 78       | Ш                | _  | _        | _        | _        | $\bot$   | 4                       | _        | 4        | L |        | 128        | _        | 4   | 4        | 4                       | _        | _        | _        |          |          |
| <u> </u>     | 29       | _        | -   | 4  | -        | 4        | 4        | _        |            | _        |        |  | 79       | Ш                | $\Box$   | 4        | _        | -        | 4        | 4                       | 4        | 4        | L |        | 129        | _        | 4   | _        | 4                       | _        | _        | _        |          | _        |
| -            | 30       |          |   | $\dashv$   | 4        | 4        | -        | -        | _          |          |        |  | 80       | Ш                | _  | $\dashv$ | $\dashv$ | $\dashv$ | +        | +                       | +        | -        | - |        | 130        | $\dashv$ | +   | $\perp$  | 4                       |          | 4        |          | _        | _        |
| -            | 31       |          | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | -        | _          | _        |        |  | 81       | Н                | $\dashv$   | -        | -        | -        | +        | +                       | +        | -        | ŀ |        | 131        | $\dashv$ | +   | +        | 4                       | $\dashv$ | -        | -        |          |          |
| -            | 32       |          | -+  | $\dashv$   | +        | $\dashv$ | -        | -        | _          | <b>-</b> |        |  | 82       | Н                |  |          | ᆉ        | -+       | +        | +                       | +        | -        | L |        | 132        |          | +   | +        | +                       | -        | +        | $\dashv$ |          |          |
| -            | 33<br>34 |          | $\dashv$  | +  | +        | -+       | -        |          |            | -        |        |  | 83<br>84 | $\vdash \vdash$  | <del>                                     </del> | -        | $\dashv$ | $\dashv$ |          | +                       | -+-      | -        | - |        | 133        | -        | +   | +        | -                       | $\dashv$ | -1       |          |          |          |
| <b> </b>     | 35       | -        | -+  | -+   | +        | $\dashv$ | -+       | -        |            | _        |        | -  | 85       | H                | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | +        | +                       | +        | -        | - |        | 135        | $\dashv$ | +   | +        | ┥                       | $\dashv$ | -        | $\dashv$ | $\dashv$ |          |
| <del> </del> | 36       | $\vdash$ | -+  | +  | ╅        | -+       | $\dashv$ | $\dashv$ | -          | -        |        |  | 86       | $\vdash$         |  | $\dashv$ | $\dashv$ | $\dashv$ | +        | +                       | +        | -        | + |        | 136        | $\dashv$ | +   | +        | +                       | -        | -        |          | $\dashv$ | -        |
| -            | 37       | $\dashv$ | ┰   | $\dashv$   | $\dashv$ | $\dashv$ | +        | $\dashv$ |            | -        |        | H  | 87       | Н                | $\dashv$   | $\dashv$ | $\dashv$ | ⇥        | +        | +                       | +        | -        | + |        | 137        | -        | +   | +        | ┥                       | $\dashv$ |          | ┥        | $\dashv$ | -        |
| -            | 38       | $\dashv$ | $\dashv$  | $\dashv$   | +        | $\dashv$ | 十        | +        | _          |          |        |  | 88       | $\vdash$         | -  | $\dashv$ | $\dashv$ | $\dashv$ | +        | +                       | +        | -        | + |        | 138        | 十        | $\dashv$  | +        | ┪                       | ᅥ        | -        | $\dashv$ |          | -        |
|              | 39       | $\dashv$ | $\dashv$  | _  | +        | -+       | $\dashv$ | $\dashv$ | H          |          |        |  | 89       | Н                | $\dashv$   | -†       | +        | -+       | +        | +                       | ┰        | -        | + |        | 139        | 十        | +   | +        | 7                       | +        | -        | 一        | $\dashv$ | $\dashv$ |
|              | 40       | $\vdash$ | $\dashv$  | $\dashv$   | 十        | $\dashv$ | $\dashv$ | +        |            | Н        |        |  | 90       | Н                | -  | 寸        | $\dashv$ | 7        | +        | 十                       | +        | ١        | ۲ | $\neg$ | 140        | $\dashv$ | +   | +        | 7                       | $\dashv$ | 1        | 7        | ᅥ        | $\dashv$ |
|              | 41       |          | 7   | 十  | $\dashv$ | 7        | +        | 7        |            | _        |        | $\vdash$   | 91       | Н                | 7  | 7        | 7        | 7        | 十        | $\top$                  | $\top$   | 7        | ۲ |        | 141        | $\dashv$ | $\top$  | $\top$   | 7                       | 寸        | 7        | 寸        | ┪        | ┪        |
|              | 42       | $\dashv$ | _ †   | _  | ┪        | $\dashv$ | 十        | 7        | _          | _        |        |  | 92       |                  | 一  | 寸        | $\dashv$ | _        | 十        | $\top$                  | 十        | 1        | ۲ |        | 142        | $\dashv$ | 十   | $\top$   | 1                       | 7        | 7        | 7        | 7        | $\dashv$ |
|              | 43       |          |   | $\neg$   | $\top$   | 寸        | $\neg$   | $\neg$   |            |          |        |  | 93       |                  | $\neg$   | $\neg$   | 寸        | 寸        | _        | T                       |          |          |   |        | 143        |          | $\Box$  | T        | J                       |          |          | $\neg$   |          |          |
|              | 44       |          |   | カ  | _1       | ⅃        | ╗        |          |            |          |        |  | 94       |                  |  |          | _1       |          |          | T                       |          |          |   |        | 144        |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | I        | J                       |          |          |          |          |          |
|              | 45       |          |   | $\Box$   |          | J        |          |          |            |          |        |  | 95       |                  |  |          |          |          | I        | I                       | $\perp$  |          | Γ |        | 145        |          | $\perp$   | Ι        |                         |          | J        |          |          |          |
|              | 46       |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}$ | T        | $\Box$   |          |          |            |          |        |  | 96       |                  | $\Box$   | $\Box$   | J        |          |          | $oldsymbol{\mathbb{I}}$ |          |          | Ĺ |        | 146        | $\Box$   |   |          | $oldsymbol{\mathbb{I}}$ | J        | $\Box$   | $\Box$   |          |          |
|              | 47       |          | _[  |  | ┙        | _[       |          | _[       |            |          |        |  | 97       | $\square$        |  | $\bot$   | _[       | $\Box$   | $\perp$  | $\perp$                 |          | _        | L |        | 147        | _[       | Ļ   | _[       | _[                      |          | _[       | _[       | ┚        |          |
| <u></u>      | 48       | _        |   | _ _  | _        | _        | $\perp$  | 4        |            |          |        |  | 98       | Ш                | _[   | [        | _        | _[       |          | 1                       |          | 4        | L |        | 148        |          |   | 4        | 4                       | 4        | _[       | 4        | _        |          |
| $\vdash$     | 49       |          |   | _  | 4        | _        | $\perp$  | 4        | _          |          |        |  | 99       | Щ                | _  | _        | 4        | _        | 4        | 4                       | _        | 4        | L |        | 149        |          | 4   | 4        | 4                       | 4        | _↓       | 4        | _        | _        |
|              | 50       |          | - 1   |  | - [      |          | - 1      | - 1      |            |          | I :::i |  | 100      | Ιl               | - 1  | - 1      | - [      | - 1      | - 1      | - [                     | - 1      | 1111     | 1 | - 1    | 150        | - 1      |   | - 1      | - 1                     | - 1      | - 1      | - 1      | - 1      | - 1      |